

Clamping Device

Description

This hose clamping system serves to provide a uniform pressure to apply laminate to plywood. It replaces the use of hand-applied clamps. The force to open the clamps was many times that of an average car battery clamp. Employees had experienced injuries from clamping.

This system was developed in house.



The old way. Clamps are placed on this trim piece because it is curved and cannot fit into the clamp

For information about this control, e-mail an ergonomist (ergonomics@lni.wa.gov)



The new way. The vise is like a lawn hose. The hoses are in the deflated mode to the right of the employee. After the glue is applied to the trim, the trim pieces are placed in the slats. The hoses in the table are inflated by flipping a switch, creating the vise pressure. The trim pieces are used for corian countertop production.